DERWENT-ACC-NO: 1981-64303D

DERWENT-WEEK: 198136

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TITLE: Radial pneumatic tyre - has cord elements with

single core filament

contacted by up to five single sheath wires

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PATENT-ASSIGNEE: UNIROYAL ENGELBERT[USRU]

PRIORITY-DATA: 1980DE-3006488 (February 21, 1980)

PATENT-FAMILY:		
PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-1	I.PC	
DE 3006488 A	August 27, 1981	N/A
005 N/A		,
DE 3006488 C	April 23, 1987	N/A
A\N 000		
FR 2476548 A	August 28, 1981	N/A
A\N 000		•
GB 2072591 A	October 7, 1981	N/A
000 N/A		
GB 2072591 B	February 27, 1985	N/A
000 N/A		
JP 56131404 A	October 15, 1981	N/A
000 N/A		
JP 90000201 B	January 5, 1990	N/A
000 N/A		
US 4.328852 A	May 11, 1982	N/A
000 N/A		

APPLICATION-DATA:		
PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		111111110
DE 3006488A	N/A	1980DE-3006488
February 21,	1980	
GB 2072591A	N/A	1981GB-0005602
February 23,	1981	
JP 56131404A	N/A	1981JP-0022333
February 19.	1981	1

INT-CL (IPC): B60C009/02; D02G003/48; D07B001/06

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ABSTRACTED-PUB-NO: DE 3006488A

BASIC-ABSTRACT: A pneumatic tyre for vehicles, specially one with a radial

carcass, has cord elements which consist of steel wires. Each element is

assembled from one single wire filament as the core and a sheath of at least

three single wire filaments. The latter contact the core at a radial point.

The wire diameter of the core is smaller than that of a sheath filament which

has a max. diameter of 0.28 mm. The centre distance of adjacent sheath

filament should be greater than their diameter.

Such a tyre has a very low rolling resistance. The cord elements combine a low

weight with the highest possible compression rigidity, an absolute air

tightness and a high fatigue strength without a risk of the core piercing the tyre.

ABSTRACTED-PUB-NO: DE 3006488C

EQUIVALENT-ABSTRACTS: Metal cord, espy. a brass coated steel wire for use as

reinforcement in the cord belt of a pneumatic tyre, has a round core filament

and several stranded filaments of equal diameter. The core filament has a dia

of 0.12 - 0.22mm and the stranded filaments have a diameter of 0.28mm. The

core has gentle undulations and is surrounded by three to five stranded filaments.

ADVANTAGE - Raises the endurance strength of the metal cord and combines a high compressive strength with low weight. (5pp)

GB 2072591B

A pneumatic vehicle tyre, comprising a carcase, a tread strip having a tread surface and a crown reinforcing belt between the carcase and the tread strip,

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the belt being formed by at least two radially superposed cord plies, at least

one of which plies comprises metal cords, in which the width of at least one

cord ply is equal to the width of the tread surface, and in which each metal

cord consists of a core of a single wire surrounded by a jacket comprising at

least three single wires of equal diameter twisted around the core, the

diameter of the wire core being smaller than the diameter of the jacket wires

which at the most is 0.28 mm, each jacket wire contacting the wire radially,

and the distance between the centres of adjacent jacket wires being larger than

the diameter of each jacket wire.0

## TITLE-TERMS:

RADIAL PNEUMATIC TYRE CORD ELEMENT SINGLE CORE FILAMENT CONTACT UP FIVE SINGLE SHEATH WIRE

DERWENT-CLASS: A95 Q11

CPI-CODES: A12-T01B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0011 0105 0231 2020 2215 2220 2623 2628

2658 2680 2826

Multipunch Codes: 011 032 04- 07- 09& 15- 231 308 309 41&

473 540 551 560 562

566 597 599 654 672 722 723

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